

Public Notice – Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality for the withdrawal of ground water in Accomack, Virginia.

PUBLIC COMMENT PERIOD: January 11, 2014 to February 10, 2014

PERMIT NAME: Groundwater Withdrawal Permit issued by DEQ, under the authority of the State Water Control Board

APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Captain's Cove Utility Company, Inc.; 2512 Captain's Corridor, Greenbackville, VA 23356; GW0044600

NAME AND LOCATION OF WATER WITHDRAWAL: Captain's Cove Subdivision; South of Route 679, Greenbackville, VA

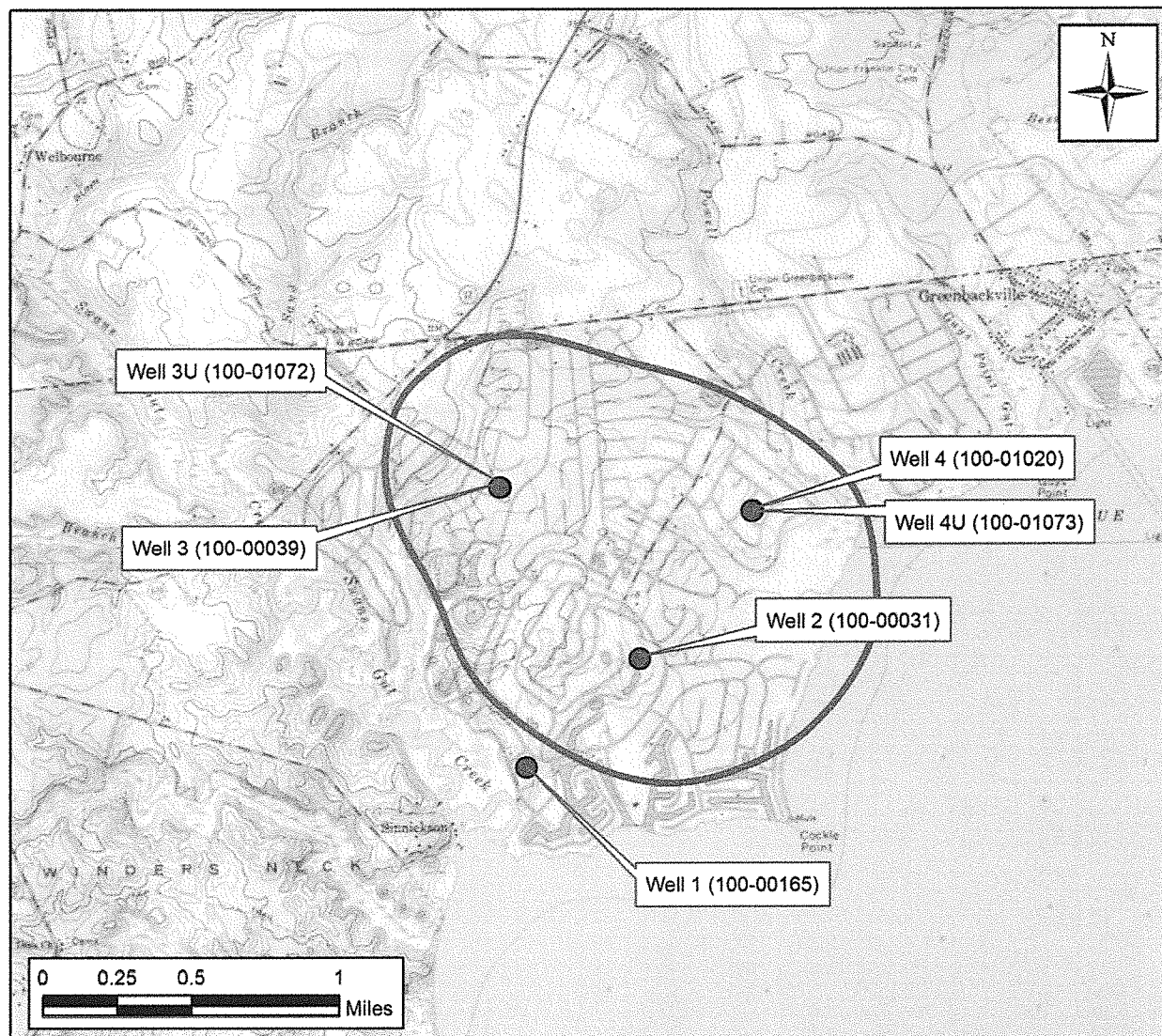
PROJECT DESCRIPTION: Captain's Cove Utility Company, Inc has applied for a new permit for a residential subdivision in Accomack, Virginia. The permit would allow the applicant to withdraw an average of 221,537 gallons per day. The groundwater withdrawal will support a public water supply for the Captain's Cove Subdivision. The proposed withdrawal will utilize the Upper and Middle Yorktown Eastover aquifers at a depth between 125 feet to 350 feet below the land surface at the withdrawal site. An aquifer is a body of rock or layer of sediment in the ground in which ground water is stored and transported. DEQ has made a tentative decision to issue the permit.

AFFECTED AREA: The radial distance from the wells to where computer modeling predicts the aquifers may experience one foot of drawdown due to the withdrawal is illustrated on maps that can be viewed at <http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/GroundwaterPermitting/PublicNotices.aspx>

HOW TO COMMENT AND OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing by e-mail, fax or postal mail. All comments and requests must be in writing and be received by DEQ during the comment period. Submittals must include the names, mailing addresses and telephone numbers of the commenter/requester and of all persons represented by the commenter/requester. A request for public hearing must also include: 1) The reason why a public hearing is requested. 2) A brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requestor, including how and to what extent such interest would be directly and adversely affected by the permit. 3) Specific references, where possible, to terms and conditions of the permit with suggested revisions. DEQ may hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the proposed permit. **CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION:** Hank Ghittino; 5636 Southern Blvd. Virginia Beach, VA, 23451; Phone: 757-518-2197; E-mail: hank.ghittino@deq.virginia.gov; FAX: 757-518-2009. The public may review the draft permit and application at the Tidewater Regional DEQ office by appointment.

Captain's Cove Utility Company, Inc.

Area of Impact - Upper Yorktown-Eastover Aquifer



- Upper and Middle Production Wells
- ▭ VESM Model Boundary
- Upper Yorktown-Eastover Area of Impact

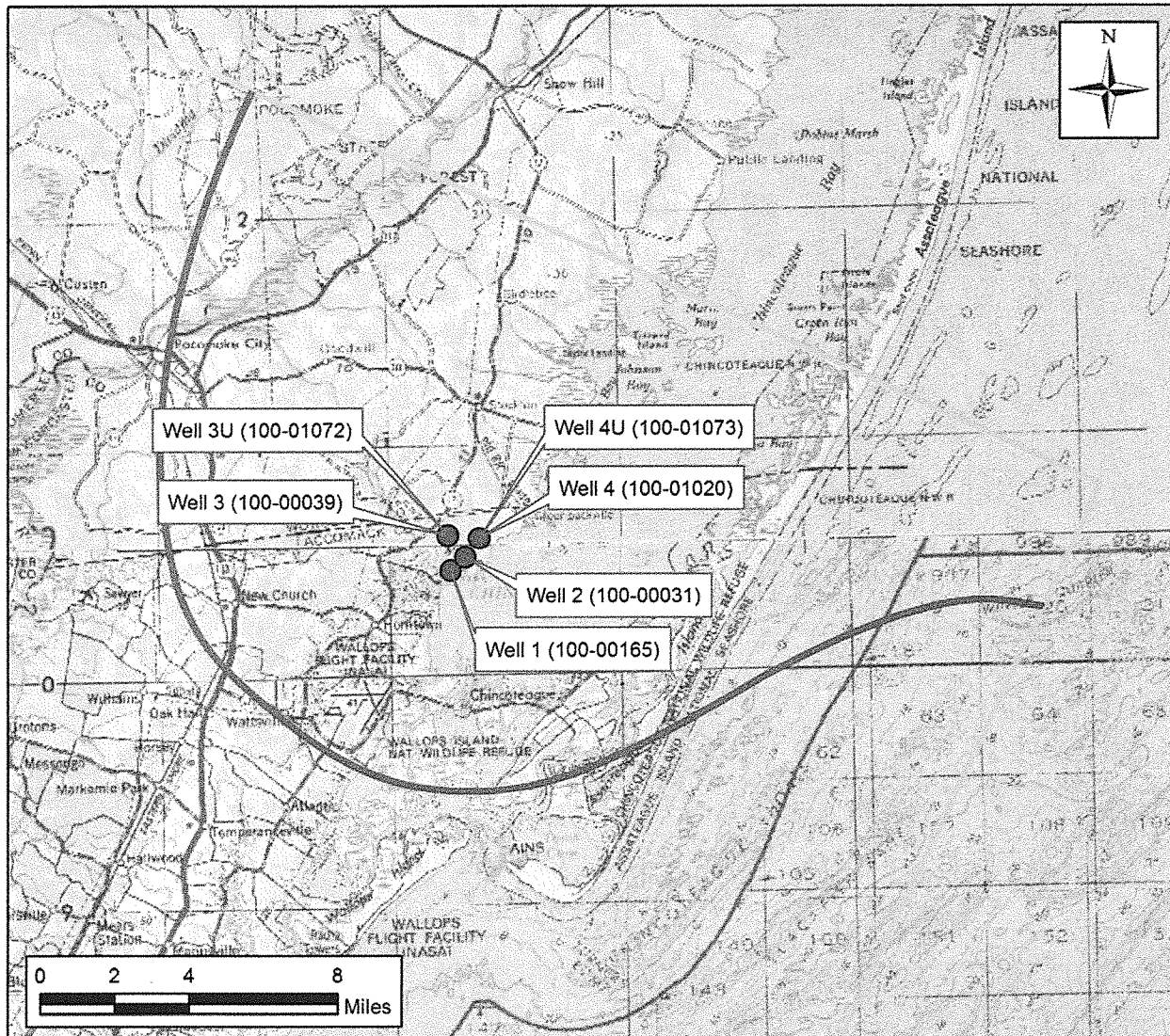
Simulated drawdown at or exceeding one foot in the Upper Yorktown-Eastover aquifer resulting from a 80,861,000 gallon per year, steady-state, multi-aquifer withdrawal. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning December 26, 2012



Captain's Cove Utility Company, Inc.

Area of Impact - Middle Yorktown-Eastover Aquifer



- Upper and Middle Production Wells
- ▭ VESM Model Boundary
- Middle Yorktown-Eastover Area of Impact

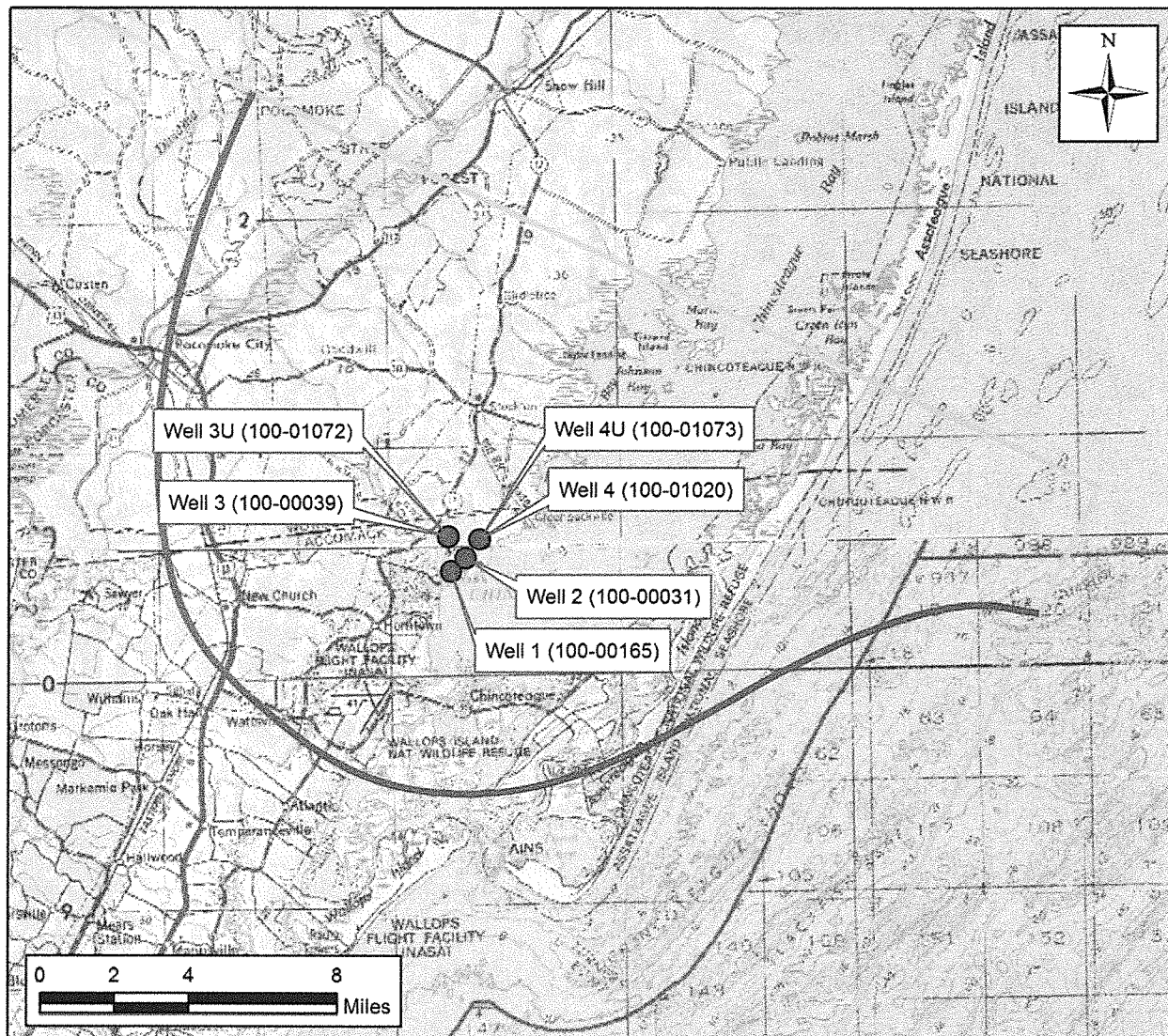
Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 80,861,000 gallon per year, steady-state, multi-aquifer withdrawal. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning December 26, 2012



Captain's Cove Utility Company, Inc.

Area of Impact - Lower Yorktown-Eastover Aquifer



● Upper and Middle Production Wells

□ VESM Model Boundary

○ Lower Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 80,861,000 gallon per year, steady-state, multi-aquifer withdrawal. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning December 26, 2012

